

REMARKS

Claims 6-11 and 18-27 are pending.

Applicants thank the Examiner for the helpful comments concerning the “at least 70%” term in the previous response. Although Applicants do not agree that the case authority cited by the Examiner is controlling, nonetheless, in order to expedite allowance of this application the claims have been amended, without prejudice or disclaimer, to remove the allegedly objectionable term. However, Applicants expressly reserve the right to file a continuing application directed to such cancelled subject matter.

Accordingly, the present claims have been amended to clarify that which is being claimed. Specifically, claim 6 has been amended to recite subject matter supported by the original disclosure. To assist the Examiner in locating such subject matter, Applicants provide selected pages of this application as published, with highlighted portions supporting the claimed subject matter. Support for amended claim 21 can all be found in the highlighted portions of page 13 of the published application, while support for claim 6 can be found in the paragraph bridging pages 14-15 and the highlighted portions of page 16, all references to the application as published (2004/0132077 A1). Accordingly, the original Specification and Drawings supports the claimed subject matter and thus, no new matter have been entered.

Separate sequence listings are provided as requested in the preceding Office Action.

Applicants respectively submit that the present amendments place the claims in condition for allowance. However, should the Examiner disagree, he is invited to contact the undersigned to schedule an interview prior to the issuance of a subsequent Office Action, such that the claims can be further amended.

AMENDMENT
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Appl. No. 10/726,692
Atty. Docket No. 21311A

If any additional fee is necessary to make this paper timely or complete, it may be charged to the undersigned's **Deposit Account Number 19-4375**.

Respectfully submitted,



PNL/TPP/mvj
Attorney Docket No.: PNL 21311A

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Ile Asn 180 185 190 Lys His Ala Phe Tyr Val Val Thr Ala Ser Asn Val Tyr Ile Val His 195 200 205 Asp Gly Ser Tyr
His Pro Thr Gly Ser Met Ala Gln Leu Gln Gln Ala 210 215 220 Glu Asn Asn Ile Thr Asn Ser Lys Lys Glu Met Thr
Lys Leu Arg Glu 225 230 235 240 Lys Val Lys Lys Ala Glu Lys Glu Lys Leu Asp Ala Ile Asn Arg Ala 245 250 255
Thr Lys Leu Glu Glu Glu Arg Asn Gln Ala Tyr Lys Ala Ala His Lys 260 265 270 Ala Glu Glu Glu Lys Ala Lys Thr
Phe Gln Arg Leu Ile Thr Phe Glu 275 280 285 Ser Glu Asn Ile Asn Leu Lys Lys Arg Pro Asn Asp Ala Val Ser Asn
290 295 300 Arg Asp Lys Lys Lys Asn Ser Glu Thr Ala Lys Thr Asp Glu Val Glu 305 310 315 320 Lys Gln Arg Ala
Ala Glu Ala Ala Lys Ala Val Glu Thr Glu Lys Gln 325 330 335 Arg Ala Ala Glu Ala Thr Lys Val Ala Glu Ala Glu
Lys Arg Lys Ala 340 345 350 Ala Glu Ala Ala Lys Ala Val Glu Thr Glu Lys Gln Arg Ala Ala Glu 355 360 365 Ala
Thr Lys Val Ala Glu Ala Glu Lys Gln Lys Ala Ala Glu Ala Ala 370 375 380 Lys Ala Val Glu Thr Glu Lys Gln Arg
Ala Ala Glu Ala Thr Lys Val 385 390 395 400 Ala Glu Ala Glu Lys Gln Arg Ala Ala Glu Ala Met Lys Val Ala Glu
405 410 415 Ala Glu Lys Gln Lys Ala Ala Glu Ala Ala Lys Ala Val Glu Thr Glu 420 425 430 Lys Gln Arg Ala Ala
Glu Ala Thr Lys Val Ala Glu Ala Glu Lys Gln 435 440 445 Lys Ala Ala Glu Ala Ala Lys Ala Val Glu Thr Glu Lys
Gln Arg Ala 450 455 460 Ala Glu Ala Thr Lys Val Ala Glu Ala Glu Lys Gln Lys Ala Ala Glu 465 470

475 480 Ala Ala Lys Ala Val Glu Thr Glu Lys Gln Arg Ala Ala Glu Ala Thr 485 490 495 Lys Val Ala Glu Ala Glu
Lys Asp Ile Asp Pro Met Gly Ala Cys Gly 500 505 510 Ser Lys Asp Ser Thr Ser Asp Lys Gly Leu Ala Ser Asp Lys
Asp Gly 515 520 525 Lys Asn Ala Lys Asp Arg Lys Glu Ala Trp Glu Arg Ile Arg Gln Ala 530 535 540 Ile Pro Arg
Glu Lys Thr Ala Glu Ala Lys Gln Arg Arg Ile Glu Leu 545 550 555 560 Phe Lys Lys Phe Asp Lys Asn Glu Thr Gly
Lys Leu Cys Tyr Asp Glu 565 570 575 Val His Ser Gly Cys Leu Glu Val Leu Lys Leu Asp Glu Phe Thr Pro 580 585
590 Arg Val Arg Asp Ile Thr Lys Arg Ala Phe Asp Lys Ala Arg Ala Leu 595 600 605 Gly Ser Lys Leu Glu Asn Lys
Gly Ser Glu Asp Phe Val Glu Phe Leu 610 615 620 Glu Phe Arg Leu Met Leu Cys Tyr Ile Tyr Asp Phe Phe Glu Leu
Thr 625 630 635 640 Val Met Phe Asp Glu Ile Asp Ala Ser Gly Asn Met Leu Val Asp Glu 645 650 655 Glu Glu Phe
Lys Arg Ala Val Pro Lys Leu Glu Ala Trp Gly Ala Lys 660 665 670 Val Glu Asp Pro Ala Ala Leu Phe Lys Glu Leu
Asp Lys Asn Gly Thr 675 680 685 Gly Ser Val Thr Phe Asp Glu Phe Ala Ala Trp Ala Ser Ala Val Lys 690 695 700
Leu Asp Ala Asp Gly Asp Pro Asp Asn Val Pro Asp Ile 705 710 715 37 1836 DNA T CRUZI CDS (1)..(1836) 37 atg
gag cag gag cgc agg cag ctg ctc gag aag gac ccg cgc agg aac 48 Met Glu Gln Glu Arg Arg Gln Leu Leu Glu Lys Asp
Pro Arg Arg Asn 1 5 10 15 gcg aag gag atc gct gcg ctt gag gag agc atg aat gcc cgc gca cag 96 Ala Lys Glu Ile Ala Ala
Leu Glu Glu Ser Met Asn Ala Arg Ala Gln 20 25 30 gag ctg gca cgc gag aag aag ctt gct gac cgc gcg ttc ctc gac cag 144
Glu Leu Ala Arg Glu Lys Lys Leu Ala Asp Arg Ala Phe Leu Asp Gln 35 40 45 aag ccg gag ggc gtg ccg ctg cga gag ctg
ccg ctc gac gac gac agc 192 Lys Pro Glu Gly Val Pro Leu Arg Glu Leu Pro Leu Asp Asp Asp Ser 50 55 60 gac ttt gtt
gct atg gag cag gag cgc agg cag ctg ctc gag aag gac 240 Asp Phe Val Ala Met Glu Gln Glu Arg Arg Gln Leu Leu Glu
Lys Asp 65 70 75 80 ccg cgc agg aac gcg aag gag atc gct gcg ctt gag gag agc atg aat 288 Pro Arg Arg Asn Ala Lys Glu
Ile Ala Ala Leu Glu Glu Ser Met Asn 85 90 95 gcc cgc gca cag gag ctg gca cgc gag aag aag ctt gct gac cgc gcg 336 Ala
Arg Ala Gln Glu Leu Ala Arg Glu Lys Lys Leu Ala Asp Arg Ala 100 105 110 ttc ctc gac cag aag ccg gag ggc gtg ccg
ctg cga gag ctg ccg ctc 384 Phe Leu Asp Gln Lys Pro Glu Gly Val Pro Leu Arg Glu Leu Pro Leu 115 120 125 gac gac
gac agc gac ttt gtt gct atg gag cag gag cgc agg cag ctg 432 Asp Asp Asp Ser Asp Phe Val Ala Met Glu Gln Glu Arg
Arg Gln Leu 130 135 140 ctc gag aag gac ccg cgc agg aac gcg aag gag atc gct gcg ctt gag 480 Leu Glu Lys Asp Pro
Arg Arg Asn Ala Lys Glu Ile Ala Ala Leu Glu 145 150 155 160 gag agc atg aat gcc cgc gca cag gag ctg gca cgc gag
aag aag ctt 528 Glu Ser Met Asn Ala Arg Ala Gln Glu Leu Ala Arg Glu Lys Lys Leu 165 170 175 gct gac cgc gcg ttc
ctc gac cag aag ccg gag ggc gtg ccg ctg cga 576 Ala Asp Arg Ala Phe Leu Asp Gln Lys Pro Glu Gly Val Pro Leu Arg
180 185 190 gag ctg ccg ctc gac gac gac agc gac ttt gtt gct atg gag cag gag 624 Glu Leu Pro Leu Asp Asp Asp Ser Asp
Phe Val Ala Met Glu Gln Glu 195 200 205 cgc agg cag ctg ctc gag aag gac ccg cgc agg aac gcg aag gag atc 672 Arg
Arg Gln Leu Leu Glu Lys Asp Pro Arg Arg Asn Ala Lys Glu Ile 210 215 220 gct gcg ctt gag gag agc atg aat gcc cgc
gca cag gag ctg gca cgc 720 Ala Ala Leu Glu Glu Ser Met Asn Ala Arg Ala Gln Glu Leu Ala Arg 225 230 235 240 gag
aag aag ctt gct gac cgc gcg ttc ctc gac cag aag ccg gag ggc 768 Glu Lys Lys Leu Ala Asp Arg Ala Phe Leu Asp Gln
Lys Pro Glu Gly 245 250 255 gtg ccg ctg cga gag ctg ccg ctc gac gac gac agc gac ttt gtt gct 816 Val Pro Leu Arg Glu
Leu Pro Leu Asp Asp Asp Ser Asp Phe Val Ala 260 265 270 atg gag cag gag cgc agg cag ctg ctc gag aag gac ccg cgc
agg aac 864 Met Glu Gln Glu Arg Arg Gln Leu Leu Glu Lys Asp Pro Arg Arg Asn 275 280 285 gcg aag gag atc gct
gcg ctt gag gag agc atg aat gcc cgc gca cag 912 Ala Lys Glu Ile Ala Ala Leu Glu Glu Ser Met Asn Ala Arg Ala Gln
290 295 300 gag ctg gca cgc gag aag aag ctt gct gac cgc gcg ttc ctc gac cag 960 Glu Leu Ala Arg Glu Lys Lys Leu Ala
Asp Arg Ala Phe Leu Asp Gln 305 310 315 320 aag ccg gag ggc gtg ccg ctg cga gag ctg ccg ctc gac gac gac agc 1008

Lys Pro Glu Gly Val Pro Leu Arg Glu Leu Pro Leu Asp Asp Asp Ser 325 330 335 gac ttt gtt gct atg gag cag gag cgc
agg cag ctg ctc gag aag gac 1056 Asp Phe Val Ala Met Glu Gln Glu Arg Arg Gln Leu Leu Glu Lys Asp 340 345 350
ccg cgc agg aac gcg aag gag atc gct gcg ctt gag gag agc atg aat 1104 Pro Arg Arg Asn Ala Lys Glu Ile Ala Ala Leu Glu
Glu Ser Met Asn 355 360 365 gcc cgc gca cag gag ctg gca cgc gag aag aag ctt gct gac cgc gcg 1152 Ala Arg Ala Gln
Glu Leu Ala Arg Glu Lys Lys Leu Ala Asp Arg Ala 370 375 380 ttc ctc gac cag aag ccg gag gcc gtg ccg ctg cga gag
ctg ccg ctc 1200 Phe Leu Asp Gln Lys Pro Glu Gly Val Pro Leu Arg Glu Leu Pro Leu 385 390 395 400 gac gag gac
agc gag ttt gtt gct atg gag cag gag cgc agg cag ctg 1248 Asp Asp Asp Ser Asp Phe Val Ala Met Glu Gln Glu Arg Arg
Gln Leu 405 410 415 ctc gag aag gac ccg cgc agg aac gcg aag gag atc gct gcg ctt gag 1296 Leu Glu Lys Asp Pro Arg
Arg Asn Ala Lys Glu Ile Ala Ala Leu Glu 420 425 430 gag agc atg aat gcc cgc gca cag gag ctg gca cgc gag aag aag ctt
1344 Glu Ser Met Asn Ala Arg Ala Gln Glu Leu Ala Arg Glu Lys Lys Leu 435 440 445 gct gac cgc gcg ttc ctc gac cag
aag ccg gag gcc gtg ccg ctg cga 1392 Ala Asp Arg Ala Phe Leu Asp Gln Lys Pro Glu Gly Val Pro Leu Arg 450 455
460 gag ctg ccg ctc gac gag gac agc gag ttt gtt gct atg gag cag gag 1440 Glu Leu Pro Leu Asp Asp Asp Ser Asp Phe Val
Ala Met Glu Gln Glu 465 470 475 480 cgc agg cag ctg ctc gag aag gac ccg cgc agg aac gcg aag gag atc 1488 Arg Arg
Gln Leu Leu Glu Lys Asp Pro Arg Arg Asn Ala Lys Glu Ile 485 490 495 gct gcg ctt gag gag agc atg aat gcc cgc gca
cag gag ctg gca cgc 1536 Ala Ala Leu Glu Glu Ser Met Asn Ala Arg Ala Gln Glu Leu Ala Arg 500 505 510 gag aag
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Glu Ile Ala Ala Leu Glu Glu Ser Met Asn Ala Arg Ala Gln 20 25 30 Glu Leu Ala Arg Glu Lys Lys Leu Ala Asp Arg
Ala Phe Leu Asp Gln 35 40 45 Lys Pro Glu Gly Val Pro Leu Arg Glu Leu Pro Leu Asp Asp Asp Ser 50 55 60 Asp Phe
Val Ala Met Glu Gln Glu Arg Arg Gln Leu Leu Glu Lys Asp 65 70 75 80 Pro Arg Arg Asn Ala Lys Glu Ile Ala Ala
Leu Glu Glu Ser Met Asn 85 90 95 Ala Arg Ala Gln Glu Leu Ala Arg Glu Lys Lys Leu Ala Asp Arg Ala 100 105 110
Phe Leu Asp Gln Lys Pro Glu Gly Val Pro Leu Arg Glu Leu Pro Leu 115 120 125 Asp Asp Asp Ser Asp Phe Val Ala
Met Glu Gln Glu Arg Arg Gln Leu 130 135 140 Leu Glu Lys Asp Pro Arg Arg Asn Ala Lys Glu Ile Ala Ala Leu Glu
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375 380 Phe Leu Asp Gln Lys Pro Glu Gly Val Pro Leu Arg Glu Leu Pro Leu 385 390 395 400 Asp Asp Asp Ser Asp
Phe Val Ala Met Glu Gln Glu Arg Arg Gln Leu 405 410 415 Leu Glu Lys Asp Pro Arg Arg Asn Ala Lys Glu Ile Ala
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 Ser Thr Val Phe Ala Asn Ala Pro Gly Val Ala Gln Val 195 200 205 40 207 PRT T CRUZI 40 Phe Asn Pro Ser Thr
 Asp Lys Leu Lys Leu Asn Gln Gln Asn Lys Pro 1 5 10 15 His Ile Ala Asn Asn Lys Gln Lys Thr Thr Leu Glu Lys Thr
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 (1)..(1845) 41 ttt aat cct tct acg gac aaa ttg aag cta aac caa caa aat aag cct 48 Phe Asn Pro Ser Thr Asp Lys Leu Lys Leu
 Asn Gln Gln Asn Lys Pro 1 5 10 15 at att gca aat aat aaa caa aaa aca aca ctc gaa aaa act caa aca 96 His Ile Ala Asn Asn
 Lys Gln Lys

Thr Thr Leu Glu Lys Thr Gln Thr 20 25 30 gaa caa aaa aca gcg cca ttt gga cag ggc gca gca ggg tgg aca aaa 144 Glu
 Gln Lys Thr Ala Pro Phe Gly Gln Gly Ala Ala Gly Trp Thr Lys 35 40 45 cca tca cca ttt gga cag gcc gca gca ggt gac aaa
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 70 75 80 gca ggt gac aaa cca tca cta ttt gga cag gcc gca gca ggt gac aaa 288 Ala Gly Asp Lys Pro Ser Leu Phe Gly Gln
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 135 140 cca cca cca ttt gga cag gcc gca gca ggt gac aaa cca cca cca ttt 480 Pro Pro Pro Phe Gly Gln Ala Ala Ala Gly
 Asp Lys Pro Pro Pro Phe 145 150 155 160 gga cag gcc gca gca ggt gac aaa cca tca cta ttt gga cag gcc gca 528 Gly Gln
 Ala Ala Ala Gly Asp Lys Pro Ser Leu Phe Gly Gln Ala Ala 165 170 175 gca ggt gac aaa cca tca cca ttt gga cag gga act
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 200 205 gag cag gag cgc agg cag ctg ctc gag aag gac ccg cgc agg aac gcg 672 Glu Gln Glu Arg Arg Gln Leu Leu Glu
 Lys Asp Pro Arg Arg Asn Ala 210 215 220 aag gag atc gct gcg ctt gag gag agc atg aat gcc cgc gca cag gag 720 Lys Glu
 Ile Ala Ala Leu Glu Glu Ser Met Asn Ala Arg Ala Gln Glu 225 230 235 240 ctg gca cgc gag aag aag ctt gct gac cgc
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 Glu Arg Arg Gln Leu Leu Glu Lys Asp Pro 275 280 285 cgc agg aac gcg aag gag atc gct gcg ctt gag gag agc atg aat
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